

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently amended) A process for creating an ensemble filter for selecting documents, comprising:
 - ~~identifying a set of documents for training;~~
 - identifying a first set of documents from a said training set of documents;
 - identifying a first profile corresponding to said first set of documents;
 - identifying a second set of documents and a ~~remainder~~ third set of documents from said training set of documents ~~using said first profile;~~
 - identifying ~~at least one~~ a fourth set of documents from said ~~remainder~~ third set of documents;
 - identifying ~~at least one remainder~~ a second profile corresponding to ~~each of said fourth identified sets of documents from said remainder~~ set of documents;
 - creating a first ~~sub-filter using~~ filter based upon said first profile;
 - creating a second filter based upon said second profile ~~at least one remainder sub-filter using at least one of said remainder profiles; and~~
 - combining said first ~~filter sub-filter~~ with ~~at least one remainder sub-filter~~ said second filter to create an ensemble filter; and
 - storing said ensemble filter in a computer readable medium, said ensemble filter being accessible by computer readable program code for filtering documents.

2. (Previously presented) A process, as in claim 1, further comprising:
 - clustering said training set of documents to identify said first set of documents.

3. (Previously presented) A process, as in claim 1, further comprising:

clustering said training set of documents and selecting said largest cluster to identify said first set of documents.

4. (Currently amended) A process, as in claim 1, further comprising:

cascading said first ~~sub-filter~~ filter ~~and at least one remainder sub-filter~~ with said second filter to create at least part of said ensemble filter.

5. (Currently amended) A process, as in claim 1, further comprising:

multiplexing said first ~~sub-filter~~ filter ~~with at least one remainder sub-filter~~ with said second filter to create at least part of said ensemble filter.

6. (Currently amended) A process, as in claim 2, further comprising:

cascading said first ~~sub-filter~~ filter ~~and at least one remainder sub-filter~~ with said second filter to create at least part of said ensemble filter.

7. (Currently amended) A process, as in claim 3, further comprising:

cascading said first ~~sub-filter~~ filter ~~and at least one remainder sub-filter~~ with said second filter to create at least part of said ensemble filter.

8. (Currently amended) A process, as in claim 2, further comprising:

multiplexing said first ~~sub-filter~~ filter ~~with at least one remainder sub-filter~~ with said second filter to create at least part of said ensemble filter.

9. (Currently amended) A process, as in claim 3, further comprising:

multiplexing said first ~~sub-filter~~ filter ~~with at least one remainder sub-filter~~ with said second filter to create at least part of said ensemble filter.

10. (Currently amended) A process for selecting documents from a stream of documents, comprising:

- ~~identifying a set of documents for training;~~
- identifying a first set of documents from a said training set of documents;
- identifying a first profile corresponding to said first set of documents;
- identifying a second set of documents and a ~~remainder~~ third set of documents from said training set of documents ~~using said first profile;~~
- identifying ~~at least one~~ a fourth set of documents from said ~~remainder~~ third set of documents;
- ~~identifying at least one remainder~~ a second profile corresponding to ~~each of said fourth identified sets of documents from said remainder~~ set of documents;
- creating a first ~~sub-filter using~~ filter based upon said first profile;
- creating a second filter based upon said second profile;~~at least one remainder sub-filter using at least one of said remainder profiles; and~~
- combining said first filter ~~sub-filter~~ with ~~at least one remainder sub-filter~~ said second filter to create an ensemble filter; and
- passing said stream of documents through said ensemble filter.

11. (Previously presented) A process, as in claim 10, further comprising:
clustering said training set of documents to identify said first set of documents.

12. (Previously presented) A process, as in claim 10, further comprising:
clustering said training set of documents and selecting said largest cluster to identify said first set of documents.

13. (Currently amended) A process, as in claim 10, further comprising:

cascading said first ~~sub-filter~~ filter ~~and at least one remainder sub-filter~~ with said second filter to create at least part of said ensemble filter.

14. (Currently amended) A process, as in claim 10, further comprising:

multiplexing said first ~~sub-filter~~ filter ~~with at least one remainder sub-filter~~ with said second filter to create at least part of said ensemble filter.

15. (Currently amended) A process, as in claim 11, further comprising:

cascading said first ~~sub-filter~~ filter ~~and at least one remainder sub-filter~~ with said second filter to create at least part of said ensemble filter.

16. (Currently amended) A process, as in claim 12, further comprising:

cascading said first ~~sub-filter~~ filter ~~and at least one remainder sub-filter~~ with said second filter to create at least part of said ensemble filter.

17. (Currently amended) A process, as in claim 11, further comprising:

multiplexing said first ~~sub-filter~~ filter ~~with at least one remainder sub-filter~~ with said second filter to create at least part of said ensemble filter.

18. (Currently amended) A process, as in claim 12, further comprising:

multiplexing said first ~~sub-filter~~ filter ~~with at least one remainder sub-filter~~ with said second filter to create at least part of said ensemble filter.

19. (Currently amended) A process for selecting documents from a database of documents, comprising:

~~identifying a set of documents for training;~~

identifying a first set of documents from a said training set of documents;

identifying a first profile corresponding to said first set of documents;

identifying a second set of documents and a ~~remainder~~ third set of documents from said training set of documents ~~using said first profile~~;

identifying ~~at least one~~ a fourth set of documents from said ~~remainder~~ third set of documents;

identifying ~~at least one remainder~~ a second profile corresponding to ~~each of said~~ fourth ~~identified sets of documents from said remainder~~ set of documents;

creating a first ~~sub-filter using~~ filter based upon said first profile;

creating a second filter based upon said second profile; ~~at least one remainder sub-filter using at least one of said remainder profiles~~; and

combining said first filter ~~sub-filter~~ with ~~at least one remainder sub-filter~~ said second filter to create an ensemble filter; and

applying said ensemble filter to said database to select documents.

20. (Previously presented) A process, as in claim 19, further comprising:
clustering said training set of documents to identify said first set of documents.

21. (Previously presented) A process, as in claim 19, further comprising:
clustering said training set of documents and selecting said largest cluster to identify said first set of documents.

22. (Currently amended) A process, as in claim 19, further comprising:
cascading said first ~~sub-filter~~ filter ~~and at least one remainder sub-filter~~ with said second filter to create at least part of said ensemble filter.

23. (Currently amended) A process, as in claim 19, further comprising:

multiplexing said first ~~sub-filter~~ filter ~~with at least one remainder sub-filter~~ with said second filter to create at least part of said ensemble filter.

24. (Currently amended) A process, as in claim 20, further comprising:

cascading said first ~~sub-filter~~ filter ~~and at least one remainder sub-filter~~ with said second filter to create at least part of said ensemble filter.

25. (Currently amended) A process, as in claim 21, further comprising:

cascading said first ~~sub-filter~~ filter ~~and at least one remainder sub-filter~~ with said second filter to create at least part of said ensemble filter.

26. (Currently amended) A process, as in claim 20, further comprising:

multiplexing said first ~~sub-filter~~ filter ~~with at least one remainder sub-filter~~ with said second filter to create at least part of said ensemble filter.

27. (Currently amended) A process, as in claim 21, further comprising:

multiplexing said first ~~sub-filter~~ filter ~~with at least one remainder sub-filter~~ with said second filter to create at least part of said ensemble filter.

28. (New) An apparatus for generating an ensemble filter, comprising:

a processing system; and

a memory coupled to the processing system, wherein the processor is configured to:

identify a first set of documents from a training set of documents;

identify a first profile corresponding to said first set of documents;

identify a second set of documents and a third set of documents from said training set of documents;

identify a fourth set of documents from said third set of documents;
identify a second profile corresponding to said fourth set of documents;
create a first filter based upon said first profile;
create a second filter based upon said second profile; and
combine said first filter with said second filter to create an ensemble filter;
store said ensemble filter in a computer readable medium, said ensemble filter
being accessible by computer readable program code for filtering documents.

29. (New) An article of manufacture comprising a computer readable medium having executable program code embodied therein for generating an ensemble filter, wherein the executable program code is adapted to cause the processing system to:

identify a first set of documents from a training set of documents;
identify a first profile corresponding to said first set of documents;
identify a second set of documents and a third set of documents from said training
set of documents;
identify a fourth set of documents from said third set of documents;
identify a second profile corresponding to said fourth set of documents;
create a first filter based upon said first profile;
create a second filter based upon said second profile; and
combine said first filter with said second filter to create an ensemble filter;
store said ensemble filter in a computer readable medium, said ensemble filter
being accessible by computer readable program code for filtering documents.